



*E. Eugene Thigpen*

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Total Number of Pages in This Submission

Application Number	10/829,549
Filing Date	April 22, 2004
First Named Inventor	Junru JIAO
Art Unit	3663
Examiner Name	Scott Hughes
Attorney Docket Number	PGS-03-07US

### ENCLOSURES (Check all that apply)

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#### Remarks

Other:  
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### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	E. Eugene Thigpen
Signature	<i>E. Eugene Thigpen</i>
Date	September 27, 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Junru Jiao, *et al.*

Serial No. 10/829,549

Filed: 04/22/2004

Title: HORIZON-BASED RESIDUAL  
DEPTH MIGRATION  
VELOCITY ANALYSIS

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Group Art Unit: 3663

Examiner: Scott Hughes

Atty Docket No. PGS-03-07US

Mail Stop Amendment

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*E. Eugene Thigpen*  
E. Eugene Thigpen

Date: September 27, 2005

**REPLY UNDER 37 CFR § 1.111**

**(A) INTRODUCTORY COMMENTS**

Sir:

In response to the Office Action dated July 26, 2005, please reconsider the application in view of the amendments and remarks which follow.

Amendments to the Claims begin on page 2 of this Reply.

Remarks/argument begin on page 4 of this Reply.